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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/314,644	05/19/1999	PAUL WESCHLER		5490

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HOGAN & HARTSON LLP
ONE TABOR CENTER, SUITE 1500
1200 SEVENTEEN ST.
DENVER, CO 80202

EXAMINER

ANYA, CHARLES E

ART UNIT	PAPER NUMBER
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2126

DATE MAILED: 05/21/2003

14

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/314,644

Applicant(s)

WESCHLER, PAUL

Examiner

Charles E Anya

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 3/5/03.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-8,10-12,14-22,24-28 and 31-41 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

- 5) ☐ Claim(s) _____ is/are allowed.

- 6) ☒ Claim(s) 1,2,4-8,10-12,14-22,24-28 and 31-41 is/are rejected.

- 7) ☐ Claim(s) _____ is/are objected to.

- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities:
“and” in line 4 of page 4, “to” in line 19 of page 4, “an” in line 8 of page 6 and “data store 205” in line 7 of page 14. Appropriate correction is required.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 2, 4 – 8, 10 – 12, 14 – 22, 24 – 28, 31 – 41 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Pat. No. 6,366,916 B1 to Baer et al. in view of U.K. Pat. No. 2,347,766 A to Wilson et al.

As to claim 1, Baer teaches a Reference (“...first argument...” Col. 8 Ln. 1 – 19), a First Service (AMS 30 Col. 4 Ln. 31 – 46, Col. 5 Ln. 7 – 40), a Second Service (Client Application Layer 20 Col. 4 Ln. 31 – 46, Col. 5 Ln. 7 – 40), a Service Connector Interface (Client Adapter Module 300, Client Adapter 705 Col. 5 Ln. 7 – 65, “Creating...” Col. 6 Ln. 15 – 67), invoking the service connector interface (Client Adapter Module 300, Client Adapter 705 Col. 5 Ln. 7 – 65, Col. 7 Ln. 1 – 6), invoking the service connector interface that include instantiating the service connector interface at the second service (Col. 7 Ln. 45 – 67, Col. 8 Ln. 1 – 19), gaining reference to the first

service (“...first argument...” Col. 8 Ln. 1 – 19) and an Application Program (“...Client Application...” Col. 8 Ln. 1 – 19).

Baer is silent with reference to a configuration file.

Wilson teaches a Configuration File (“...alx file...” page 3 lines 4 – 29). It would have been obvious to apply the teaching of Wilson to the system of Baer. One would have been motivated to make such a modification to ascertain the location and versions of software in local or remote systems (page 3 lines 39 – 43).

As to claim 2, Baer teaches the step of developing a computer program module that adheres to the service connector interface (“Creating...” Col. 6 Ln. 15 – 67).

As to claim 4, Baer teaches the step of retrieving a service instance (“...retrieve...” Col. 8 Ln. 1 – 10), obtaining a service reference (“...first argument...” Col. 8 Ln. 1 – 19), returning the service reference to the second service (“passed...” Col. 8 Ln. 1 – 10: NOTE: Although returning the service reference to the second service is not explicitly taught the step is inherent since it is the Client Application/second service that uses “first argument” to make the “run time methods” calls to the Client Adapter).

As to claim 5, Wilson teaches the step of specifying a particular version of the first service (page 3 lines 39 – 43, “...#version...” page 4 lines 15 – 35).

As to claim 6, Wilson teaches the step of invoking the latest version of the first service if a particular version is not specified (see Abstract).

As to claims 7 and 8, see the rejection of claim 5 and 6 respectively.

As to claim 10, claims 1 and 4 covers claim 10 except for a distributed environment/local environment.

Baer teaches a distributed environment/local environment (RMI Col. 17 Ln. 33 - 47).

As to claims 11 and 12, see the rejection of claims 2 and 1 respectively.

As to claims 14 – 18, see the rejection of claims 5 and 6.

As to claims 19, 27 and 28, see the rejection of claim 1.

As to claims 20 and 21, see the rejection of claims 2 and 1 respectively.

As to claims 22 and 31, see the rejection of claim 4.

As to claims 24 – 26, see the rejection of claim 6.

As to claims 32 – 35, see the rejection of claims 5 and 6.

As to claim 37, Baer teaches a Core Profile Engine (AMS 30 Col. 4 Ln. 31 – 46, Col. 5 Ln. 7 – 21), a Distributed Computing Environment (Figure 1 Col. 3 Ln. 40 – 67), an Application Programming Interface (Client Adapter Module 300, Client Adapter 705 Col. 5 Ln. 12 – 65), Plug-in Service Modules (Resources Module 302 Col. 5 Ln. 12 – 65, Col. 16 Ln. 1 – 56), a Pluggable Interface (“...getPlug-in...” Col. 14 Ln. 1 – 47), a Storage Location (Action Paths Col. 14 Ln. 15 – 67, Col. 16 Ln. 1 – 56: NOTE: By using the Action Paths to “identify and request a specific Plug-in” the storage location of the Plug-in would have to be part of the Action Paths), a Service Connector (Schema Adapter Module 301 Col. 16 Ln. 1 – 56). Also see the rejection of claim 1.

As to claim 38, Baer teaches Identification Factory Plug-in (Plug-in Factory 708/Plug-in 709 Col. 5 Ln. 61 – 65).

Baer is silent with reference to an authorization plug-in, authentication plug-in, notification plug-in, log plug-in, group plug-in and replication plug-in. However being that the potential of creating and adding plug-ins is taught (Col. 16 Ln. 57 – 67, Col. 17 Ln. 1 – 67, Col. 18 Ln. 1 – 67) it would have been obvious to implement the above listed plug-ins to provide authorization/authentication to system application, notification of updates, deletes, retrieval etc, logins, notification of events to members of a group and replication of the content of data store.

As to claims 39 and 41, see the rejection of claims 1 and 4.

As to claim 40, see the rejection of claim 5.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles E Anya whose telephone number is (703) 305-3411. The examiner can normally be reached on M-F (8:30-5:30) First Friday off.

The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7240 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

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Charles E Anya
Examiner
Art Unit 2126

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